

# WEST Search History

DATE: Wednesday, December 03, 2003

## Set Name Query side by side

## Hit Count Set Name result set

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

L22	L21 and @AD<19990921	16	L22
	(select or selecting or selection) near8 (program or code or firmware)		
L21	near8( process or processing) near8 (type or method)near8	36	L21
	(determine or determining)		
	(select or selecting or selection) near8 (stored or storing)		
L20	near8(program or code or firmware) near8( process or processing)	2	L20
	near8 (type or method)near8 (determine or determining)		
	(stored or storing) near8 plurality near8(program or code or		
L19	firmware) near8(process or processing) near8 (type or method)near8	4	L19
	(determine or determining)		
L18	L16 and l1	4	L18
L17	L16 and l3	0	L17
L16	L15 and @AD<19990921	40	L16
	(stored or storing) near8 (program or code or firmware) near8		
L15	(process or processing) near8 (type or method)near8 (determine or	70	L15
	determining)		
L14	L13 and @AD<19990921	2632	L14
	(stored or storing) near8 (program or code or firmware) near8		
L13	(process or processing) near8 (type or method)	4542	L13
L12	L11 and @AD<19990921	2	L12
	(transport adj4 stream)same (method near8 processing)		
L11	same(determine or determining)	12	L11
L10	l5 and (transport adj4 stream)	1	L10
L9	L8 and l5	20	L9
L8	processing near8 methods near8 (stored or storing)	10267	L8

*DB=USPT,PGPB; PLUR=YES; OP=ADJ*

L7	L6 and @AD<19990921	102	L7
	(type near8 information) same (method near8 processing) same		
L6	(determine or determining)	227	L6

*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

L5	L4 and @AD<19990921	114	L5
	(type near8 information) same (method near8 processing) same		
L4	(determine or determining)	247	L4
L3	(type near8 information) same (method near8 processing)	1565	L3
L2	L1 and @AD<19990921	6506	L2

L2	L1 and @AD<19990921	0300	L2
L1	(information or multimedia) near8 (processing or distributing or distribution) near8 type	10230	L1

END OF SEARCH HISTORY

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Generate Collection

L5: Entry 10 of 114

File: USPT

May 13, 2003

DOCUMENT-IDENTIFIER: US 6563602 B1

TITLE: Image processing apparatus and method, and recording medium

Application Filing Date (1):

19990830

## CLAIMS:

1. An image processing apparatus capable of performing correction processing by a plurality of types of correction methods for image data, comprising: an image input unit arranged to input image data from an input device; a specifying unit arranged to specify characteristics of the input device; a correction control unit arranged to control a plurality of types of correction processes for the image data on the basis of the characteristics of the input device, and a holding unit arranged to hold combination information about the plurality of types of correction processes for the characteristics of each input unit, wherein said correction control unit controls the plurality of types of correction processes for the image data on the basis of the combination information held in said holding unit, wherein said correction control unit determines a correction process to be executed on the basis of the combination information, wherein the combination information includes process order information of correction processes within a combination, and wherein said correction control unit controls an order of the plurality of types of correction processes for the image data on the basis of the process order information.

16. An image processing method in an image processing apparatus capable of performing correction processing by a plurality of types of correction methods for image data, comprising: an input step of inputting image data from an input device; a specifying step of specifying characteristics of the input device; and a correction control step of controlling a plurality of types of correction processes for the image data on the basis of the characteristics of the input device; and a holding step of holding combination information about the plurality of types of correction processes for the characteristics of each input device, wherein said correction control step controls the plurality of types of correction processes for the image data on the basis of the combination information held in said holding step, wherein said correction control step determines a correction process to be executed on the basis of the combination information, wherein the combination information includes process order information of correction processes within a combination, wherein said correction control step controls an order of the plurality of types of correction processes for the image data on the basis of the process order information.

17. A recording medium comprising program codes of an image processing method in an image processing apparatus capable of performing correction processing by a plurality of types of correction methods for image data, comprising: a code of an input step of inputting image data from an input device; a code of a specifying step of specifying characteristics of the input device; and a code of a correction control step of controlling a plurality of types of correction processes for the image data on the basis of the characteristics of the input device; and a code of a holding step of holding combination information about the plurality of types of correction processes for the characteristics of each input device, wherein said code of said correction control step controls the plurality of types of correction processes for the image data on the basis of the combination information held in said code of said holding step, wherein said code of said correction control step determines a correction process to be executed on the basis of the combination information, wherein the combination information includes process order information of correction processes within a combination, wherein said code of said correction control step controls an order of the plurality of types of correction processes for the image data on the basis of the process order information.

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L5: Entry 13 of 114

File: USPT

Apr 15, 2003

DOCUMENT-IDENTIFIER: US 6549658 B1

TITLE: Method and system for classifying and processing of pixels of image data

Application Filing Date (1):  
19980121

Detailed Description Text (11):

As is well known, different types of images require different processing in order to provide optimal image quality. Conventionally, to automatically choose the best processing for different areas of an image, each area is classified into one of several pre-defined classes to determine how to render that part of the image. This image type or image class information can then be used to determine the appropriate processing required to obtain a good rendition of the image when printing, to choose a method of image compression, to determine if optical character recognition would be useful, etc.

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L5: Entry 16 of 114

File: USPT

Dec 10, 2002

DOCUMENT-IDENTIFIER: US 6493461 B1

TITLE: Customizable international note counter

Application Filing Date (1):  
19981027

## CLAIMS:

70. A method of operating a customizable note counter for processing international currency bills, the method comprising: storing master information associated with a plurality of types of international currency in a system memory of the note counter; selecting a designated currency type to be processed by the note counter; scanning a test bill of the designated currency type to obtain test data associated with the test bill; and determining the authenticity of said test bill by comparing the test data obtained from the test bill to the master information corresponding to the designated currency type.

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L5: Entry 22 of 114

File: USPT

Sep 17, 2002

DOCUMENT-IDENTIFIER: US 6453302 B1

**\*\* See image for Certificate of Correction \*\***

TITLE: Computer generated presentation system

Application Filing Date (1):

19961125

## CLAIMS:

12. A computer implemented method of generating a customized presentation item to facilitate a sale of a product offered for sale by the selling entity to a plurality of different types of customers, the computer system including a memory arrangement and at least one processing unit, the method comprising the steps of: storing one or more selling entity elements in the memory arrangement, the selling entity element being identifiable with the selling entity by customers of the selling entity; storing a plurality of customer type elements in the memory arrangement, the customer type elements corresponding to different types of customer for the product offered for sale by the selling entity; receiving customer profile information of a particular customer; receiving information indicative of the particular customer's interests in the product; generating a customer solution for the particular customer based on the customer's interest in the product; determining from the customer profile information a customer type of the particular customer; retrieving, from the plurality of customer type elements, a customer type element corresponding to the customer type of the particular customer; retrieving a selling entity element from the plurality of selling entity elements; and integrating the selected customer type element and the selected selling entity element into an integrated presentation output customized for the particular customer based on the customer solution.

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L5: Entry 24 of 114

File: USPT

Sep 3, 2002

DOCUMENT-IDENTIFIER: US 6445783 B1

TITLE: System and method that provides specialized processing of communications based on automatically generated identifiers

Abstract Text (1):

A system and method that provides specialized processing based on the source of the communication and/or type of communication being made. The system includes at least one user device connected to at least one network through a communications link. The network includes a specialized processor that has access to at least one database and which determine the source and/or type of communication being made. The database stores information necessary for identifying the appropriate processing for the type of communication. The specialized processor performs the appropriate specialized processing based on the source and/or type of communication and the information obtained from the database. The method according to the invention includes automatically determining the source and/or type of communication being made. Based on the determined source and/or type of communication, information indicating the specialized processing that is to be performed for that source and/or type of communication is retrieved from the database. Based on the information retrieved, specialized processing identified by the retrieved information is performed on the communication. In this manner, specialized processing of the communication may be automatically performed based on the source and/or type of communication being made.

Application Filing Date (1):

19980714

Brief Summary Text (7):

The present invention is directed to a system and method that provides specialized processing based on the type of communication being made. The system includes at least one user device connected to at least one network through a communications link. The network includes at least one specialized processor that has access to at least one database and which determines the source and/or type of communication being made. The database stores information necessary for identifying the appropriate processing for the particular source and/or type of communication. The specialized processor retrieves the appropriate information from the database corresponding to the source/type of communication and performs specialized processing based on the information retrieved.

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L5: Entry 28 of 114

File: USPT

Jun 25, 2002

DOCUMENT-IDENTIFIER: US 6411735 B1

TITLE: Method and apparatus for distinguishing between noisy continuous tone document types and other document types to maintain reliable image segmentation

Application Filing Date (1):19980923Detailed Description Text (11):

As is well known, different types of images require different processing in order to provide optimal image quality. Conventionally, to automatically choose the best processing for different areas of an image, each area is classified into one of several pre-defined classes to determine how to render that part of the image. This image type or image class information can then be used to determine the appropriate processing required to obtain a good rendition of the image when printing, to choose a method of image compression, to determine if optical character recognition would be useful, etc.

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L5: Entry 60 of 114

File: USPT

Dec 8, 1998

DOCUMENT-IDENTIFIER: US 5848137 A

TITLE: Device and method for processing multimedia message

Abstract Text (1):

An intermediate type of processing device for managing multimedia messages and a method to realize are disclosed. The processing device providing a friendly interface to the user, includes an input/output device to connect to telephone line, Internet, and a computer; a display device to show information; a control unit to determine the message type and handle the message; a storage unit to store the message; and a control panel device for the user to set command to control the processing device. The processing device can serve as a port for the multimedia messages to temporarily reside and then to be checked and integrated for next advanced treatment. There is no worry about losing any important information and the network invaders can not easily gain access to the computer. The processing device supplies an intimate interface easy to operate for users, which is just similar to common home appliances.

Application Filing Date (1):19970522

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L5: Entry 74 of 114

File: USPT

Oct 7, 1997

DOCUMENT-IDENTIFIER: US 5675789 A

TITLE: File compression processor monitoring current available capacity and threshold value

Abstract Text (1):

A file compression processor of the present invention comprises a file status monitor which compares the current available capacity on the file unit to record files and the threshold value predetermined as the upper limit of the available capacity and a file compression portion which compresses a file on said file unit when the file status monitor judges that the current available capacity is smaller than the threshold. It further comprises a file attribute controller which stores the control information for the files recorded on the file unit including the last access date, the number of accesses, whether the file is already compressed or not and a search portion which searches for files not yet compressed with low access frequency based on the control information so as to select files to be compressed for compression by said compression portion and a compression method selector which determines the data type and the access frequency of the file for compression by said compression portion based on the control information, selects the file compression method suitable for said data type and the access frequency and instructs said compression portion to execute processing by the selected compression method.

Application Filing Date (1):

19960626

Brief Summary Text (15):

According to the still preferred construction, a file compression processor further comprises a file attribute controller which stores the control information for the files recorded on the file unit. The control information includes the last access date, the number of accesses, whether the file is already compressed or not and the data type. Also provided is a compression method selection means which determines the data type and the access frequency of the file compressed by the compression means based on the control information of the file attribute controller, selects the file compression method suitable for the data type and the access frequency and instructs the compression means to execute processing by the selected compression method.

Brief Summary Text (20):

According to another preferred construction, a file compression processor further comprises a file attribute controller which stores the control information for the files recorded on the file unit including the last access date, the number of accesses, whether the file is already compressed or not and the data type. There is a compression method selection means which determines the data type and the access frequency of the file compressed by the compression means, based on the control information of the file attribute controller, which selects the file compression method suitable for the data type and the access frequency and which instructs the compression means to execute processing by the selected compression method.

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L19: Entry 3 of 4

File: USPT

Jun 25, 1996

DOCUMENT-IDENTIFIER: US 5530882 A

**\*\* See image for Certificate of Correction \*\***

TITLE: Multi-purpose information processing system

## CLAIMS:

1. An information processing system provided with an input/output apparatus, and an IC card structured so as to be detachably connectable to said input/output apparatus,

wherein said IC card comprises:

first memory means for storing a program;

first processing means for executing the program stored in said first memory means; and

transferring means for transferring a result of an execution of the program by said first processing means to said input/output apparatus; and

wherein said input/output apparatus comprises:

second memory means for storing a plurality of programs;

display means for displaying information; and

second processing means which includes:

determining means for determining a type of said processing means comprised in said IC card;

list display means for displaying on said display means a list of names of programs executable by said first processing means among the plurality of programs stored in said second memory means on the basis of the type determined by said determining means;

selecting means for selecting a program to be executed by said first processing means, in response to a designation of a name of the program to be executed in the list displayed by said list display means;

loading means for loading the program selected by said selecting means from said second memory means into said first memory means; and

result display means for displaying on said display means the result of the execution of the program transferred from said IC card to said input/output apparatus.

4. An information processing system provided with an input/output apparatus, and an IC card structured so as to be detachably connectable to said input/output apparatus,

wherein said IC card comprises first processing means for executing programs; and

wherein said input/output apparatus comprises:

disk memory means for storing a plurality of programs;

random access memory means for storing a program to be executed by said first processing means and a result of executing the program;

display means for displaying information; and

second processing means which includes:

determining means for determining a type of said first processing means comprised in said IC card;

list display means for displaying on said display means a list of names of programs executable by said first processing means among the plurality of programs stored in said disk memory means on the basis of the type determined by said determining means;

selecting means for selecting a program to be executed by said first processing means, responsive to a designation of a name of the program to be executed in the list displayed by said list display means;

loading means for loading the program selected by said selecting means from said disk memory means into said random access memory means; and

result display means for reading the result of executing the program from said random access memory means and displaying the result on said display means.

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L22: Entry 7 of 16

File: USPT

Aug 5, 1997

DOCUMENT-IDENTIFIER: US 5654719 A

TITLE: Radio receiver with position locating means

Application Filing Date (1):  
19950321

## CLAIMS:

9. A radio receiver for receiving broadcast radio waves transmitted by a plurality of broadcasting stations which carry broadcast programs, each broadcast program being a particular type of broadcast program comprising:

a storage unit which stores a plurality of units of broadcasting station data, where each said unit of broadcasting station data includes classification data comprising the broadcast frequency at which the broadcast station transmits broadcast radio waves, the type of the broadcast program, and broadcasting station position information;

a received signal processing unit which performs received signal processing on the broadcast radio waves and regenerates the broadcast program; and

a position information determining means which selects said broadcasting station position information for a broadcast station to determine the current position of the radio receiver, wherein said position information determining means is provided with an input means for inputting an indication of the type of broadcast program which has been regenerated by means of said received signal processing unit, and selects the position information for a particular broadcasting station based on said inputted type of broadcast program for the regenerated broadcast program, the frequency of the broadcast radio waves of the regenerated broadcast program and said units of said broadcasting station data.

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L9: Entry 1 of 20

File: USPT

Sep 16, 2003

DOCUMENT-IDENTIFIER: US 6621588 B1

TITLE: Output control method and apparatus, and output system

Application Filing Date (1):  
19970319

Brief Summary Text (3):

The present invention relates to a print control apparatus for processing print information written in a predetermined page description language by rendering the print information on a memory on a band unit basis, a data processing method for the print control apparatus, and a storage medium storing computer readable programs of the data processing method.

Brief Summary Text (13):

The present invention has been made to solve the above problems. It is an object of the present invention to provide a print control apparatus wherein the data type of input print information written with a page description language is judged, and the print information is converted into intermediate language data while reducing the print information which occupies a large capacity of a memory resource, so that a rendering area of the memory resource in the unit of a band to be used by the print information is suppressed as much as possible from not being reserved frequently in the memory resource and that a rendering process in the unit of a band can be executed as many times as possible to obtain a high quality print. The invention also provides a data processing method for the print control apparatus and a storage medium storing programs readable by a computer.

## CLAIMS:

6. A method of processing print information, said method comprising the steps of: inputting at least one piece of print information; discriminating whether each of the at least one piece of print information, included in one page, is of a predetermined data type; decreasing a resolution of the at least one piece of input print information included in the one page in response to discrimination in said discrimination step that the one piece of print information is of the predetermined data type; converting the at least one piece of print information included in the one page into intermediate language data; determining whether said converting step has completed a conversion process for the one page; and rendering print data based on the intermediate language data converted in said converting step if it is determined in said determining step that said converting step has completed the conversion process for the one page.